

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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SERIAL NO.:

FILED: Herewith

TITLE: TEMPERATURE-RATED VARIABLE SPEED CONTROL CIRCUIT OF AN ELECTRIC FAN

Preliminary Amendment: CLAIM AMENDMENTS

1. (Currently amended) An electric fan temperature-rated variable speed control circuit; which is comprised of comprising:

 a D.C. current source; and a fan activation IC, whose characteristics lie in, in further comprising, between the current positive and negative poles lie, a serially connected resistor R1, voltage stabilizer diode DZ, with the a regulation tube DZ negative pole linked to the current negative pole to form a primary current, when paired with the positive pole; wherein the positive pole of said voltage stabilizer diode DZ is bypassing the a thermal-resistor Rtr to link to the a triode Q1 base, and wherein, between said the triode Q1 receptor and collectors lies resistor R2, whose collector is linked to the power source negative pole, and its collector is bypassing resistor R3 to link to the triode Q2 base to form a secondary base voltage for said triode Q2. The, wherein a collector of said triode Q2 is linked to the current source positive pole, and between its transmitter and bases lies serially connected attenuator resistor R4, which bypasses the base to send off fan rotation speed signals to the fan activation IC.

2. (Currently amended) The electric fan temperature-rated variable speed control circuit as defined in claim 1, ~~of which between wherein~~ the fan activation IC signal output (2) and (3) and the triode $\Theta 2$ current-in polarity are serially connected with coil resistance L2 and coil resistance L1, respectively.

3. (Original) The electric fan temperature-rated variable speed control circuit as defined in claim 1, of which the regulation tube DZ attenuated current is rated at 5.1 Volts.

4. (Original) The electric fan temperature-rated variable speed control circuit as defined in claim 1, of which the thermal-sensitive resistance RTR is of a negative temperature-rated thermal-resistor.